

1 This listing of claims replaces all prior versions and listings:
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3 **Listing of Claims:**
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5 1. (Currently Amended) A computer-readable medium having
6 computer-executable components for controlling a hardware device of a given
7 device type installed in a computer system, comprising:

8 a first device driver for interacting with, through a device driver interface,
9 an application running on the computer system; and

10 a second device driver programmed to support entry point functions
11 corresponding to a pre-selected set of operation commands generic to hardware
12 ~~devices~~ of the given device type, the entry point functions callable by the first
13 device driver for controlling operations of ~~said~~ the hardware device,

14 the first device driver programmed for receiving, through the device driver
15 interface, a request from the application for a requested operation by the hardware
16 device, and calling the entry point functions of the second device driver to control
17 the hardware device to perform the requested operation.
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19 2. (Original) A computer-readable medium as in claim 1, where in the
20 hardware device is an image-capturing device.
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1 3. (Original) A computer-readable medium as in claim 2, wherein the
2 hardware device is a flatbed scanner.

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4 4. (Original) A computer-readable medium as in claim 3, wherein the
5 requested operation is a scan operation.

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7 5. (Original) A computer-readable medium as in claim 4, wherein the entry
8 point functions supported by the second server are callable to set parameters for
9 the scan operation, and to initiate the scan operation.

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11 6. (Original) A computer-readable medium as in claim 1, wherein the first
12 device driver is further programmed to pass to the second device driver a data
13 structure for storing operation parameter settings by the second device driver.

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15 7. (Original) A computer-readable medium as in claim 1, wherein the
16 computer- executable components further includes a third device driver for a
17 second hardware device, the third device driver programmed to interact with the
18 application through the device driver interface for receiving requests for
19 operations by the second hardware device and to control the second hardware
20 device to perform the requested operations.

1 8. (Currently Amended) A computer readable medium having computer-
2 readable instructions for controlling a hardware device of a given device type
3 installed in a computer system to perform operations in response to requests by an
4 application running on the computer system, comprising:

5 passing, through a device driver interface to a first device driver, a request
6 from the application for a requested operation by the hardware device;

7 calling, by the first device driver, a second device driver through entry
8 point functions of the second device driver, the entry point functions
9 corresponding to a pre-selected set of operation commands generic to hardware
10 ~~devices~~ of said given device type, and controlling, by the second device driver in
11 response to the calling of the entry point functions by the first driver, the hardware
12 device to perform the requested operation,

13 wherein the entry point functions perform actions including setting
14 parameters of the requested operation and initializing the requested operation.
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16 9. (Original) A computer-readable medium as in claim 8, wherein the step
17 of calling includes passing a data structure to the second device driver for storing
18 operation parameter settings by the second device driver.
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20 10. (Original) A computer-readable medium as in claim 9, wherein the
21 hardware device is an image-capturing device.
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23 11. (Original) A computer-readable medium as in claim 10, wherein the
24 hardware device is a flatbed scanner.
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1 12. (Currently Amended) A computer system comprising:
2 a hardware device of a given type;
3 an operating system having a device driver interface and a plurality of
4 device drivers, including a first device driver and a second device driver
5 cooperating to operate the hardware device, the second device driver being written
6 for the hardware device and implementing entry point functions callable by the
7 first device driver to control operations of the hardware device, the entry point
8 functions corresponding to a pre-selected set of operation commands generic to
9 ~~hardware devices of~~ said given device type, the first device driver programmed for
10 receiving, through the device driver interface of the operating system, a request
11 from an application running on the computer system to perform a requested
12 operation by the hardware device, and calling the entry point functions of the
13 second device driver to control the hardware device to perform the requested
14 operation.

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16 13. (Original) A computer-readable medium as in claim 12, wherein the
17 hardware device is an image-capturing device.

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19 14. (Original) A computer-readable medium as in claim 13, wherein the
20 hardware device is a flatbed scanner, and the requested operation is a scan
21 operation.

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23 15. (Original) A computer-readable medium as in claim 14, wherein the
24 entry point initiating the scan operation.

1 16. (Currently Amended) A method of controlling a hardware device of a
2 given device type installed in a computer system, comprising:

3 interacting, by a first device driver, with an application running on the
4 computer system through a device driver interface to receive from the application
5 a request for performing a requested operation by the hardware device; and

6 calling, by the first device driver, entry point functions of a second device
7 driver to control the hardware device to perform the requested operation, the entry
8 point functions corresponding to a pre-selected set of operation commands generic
9 to ~~hardware devices of the~~ given device type and callable by the first device driver
10 for controlling operations of said hardware device.

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12 17. (Original) A method as in claim 16, where in the hardware device is an
13 image-capturing device.

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15 18. (Original) A method as in claim 17, wherein the image-capturing
16 device is a flatbed scanner.

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18 19. (Original) A method as in claim 18, wherein the requested operation is
19 a scan operation.

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21 20. (Original) A method as in claim 19, wherein the entry point functions
22 supported by the second server are callable to set parameters for the scan
23 operation, and to initiate the scan operation.

1 21. (Original) A method as in claim 16, further including the step of
2 passing to the second device driver a data structure for storing operation parameter
3 settings by the second device driver.
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